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Results of Search in US Patent Collection db for:
(((SPEC/query AND SPEC/path) AND SPEC/"bounding box") AND SPEC/"moving object"): 22 patents.
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	PAT. NO.	Title
1	7,117,199	Spatially coding and displaying information
2	7,068,288	System and method for moving graphical objects on a computer controlled system
3	7,016,781	Method and system for querying in a moving object database
4	6,968,271	Method and system for querying in a moving object database
5	6,965,827	Method and system for tracking moving objects
6	6,925,473	Staged stylization in multiple tiers
7	6,895,329	Method and system for querying in a moving object database
8	6,809,738	Performing memory management operations to provide displays of complex virtual environments
9	6,801,850	Method and system for tracking moving objects
10	6,791,549	Systems and methods for simulating frames of complex virtual environments
11	6,424,370	Motion based event detection system and method

12 6,295,367 System and method for tracking movement of objects in a scene using correspondence graphs

13 6,263,088 System and method for tracking movement of objects in a scene

14 6,236,736 Method and apparatus for detecting movement patterns at a self-service checkout terminal

15 6,185,314 System and method for matching image information to object model information

16 6,058,397 3D virtual environment creation management and delivery system

17 6,054,991 Method of modeling player position and movement in a virtual reality system

18 5,969,755 Motion based event detection system and method

19 5,850,352 Immersive video, including video hypermosaicing to generate from multiple video views of a scene a three-dimensional video mosaic from which diverse virtual video scene images are synthesized, including panoramic, scene interactive and stereoscopic images

20 5,745,126 Machine synthesis of a virtual video camera/image of a scene from multiple video cameras/images of the scene in accordance with a particular perspective on the scene, an object in the scene, or an event in the scene

21 5,729,471 Machine dynamic selection of one video camera/image of a scene from multiple video cameras/images of the scene in accordance with a particular perspective on the scene, an object in the scene, or an event in the scene

22 5,572,634 Method and apparatus for spatial simulation acceleration

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United States Patent **6,968,271**
Wolfson **November 22, 2005**

Method and system for querying in a moving object database

Abstract

A database receives location information about a moving object. Using the destination of the object and an electronic map, the database finds a projected path for the moving object. From the projected path, the database computes a trajectory. The trajectory may be used to estimate past and future positions of the moving object. The moving object may send location updates to the database when its actual location differs from its anticipated location by more than an uncertainty threshold.

Inventors: **Wolfson; Ouri** (Highland Park, IL)
Assignee: **Board of Trustees of the University of Illinois** (Chicago, IL)
Appl. No.: **11/038,741**
Filed: **January 20, 2005**

Related U.S. Patent Documents

Application Number	Filing Date	Patent Number	Issue Date
074903	Oct., 2001	6895329	

Current U.S. Class: **701/209** ; 340/988; 340/995.23; 701/201; 701/205; 701/210

Field of Search: 701/209,201,205,210,202,204,211 340/988,990,995.23,991,992,993,995 707/3,4,5

United States Patent **6,295,367**
Crabtree , et al. **September 25, 2001**

System and method for tracking movement of objects in a scene using correspondence graphs

Abstract

A system and method for tracking movement of objects in a scene from a stream of video frames using first and second correspondence graphs. A first correspondence graph, called an object correspondence graph, is formed comprising a plurality of nodes representing region clusterss in the scene which are hypotheses of objects to be tracked, and a plurality of tracks. Each track comprises an ordered sequence of nodes in consecutive video frames that represents a track segment of an object through the scene. A second correspondence graph, called a track correspondence graph, is created, comprising a plurality of nodes, each node corresponding to at least one track in the first correspondence graph. A track comprising an ordered sequence of nodes in the second correspondence graph represents the path of an object through the scene. Tracking information for objects, such as persons, in the scene, is accumulated based on the first correspondence graph and second correspondence graph.

Inventors: **Crabtree; Ralph N.** (Atlanta, GA), **Moed; Michael C.** (Roswell, GA), **Khosravi; Mehdi** (Roswell, GA)
Assignee: **Emtera Corporation** (Marietta, GA)
Appl. No.: **09/019,595**
Filed: **February 6, 1998**

Current U.S. Class: **382/103**
Field of Search: 382/103,228,224,104,199,160,107
348/169,172,148

United States Patent **7,068,288**
Good , et al. **June 27, 2006**

System and method for moving graphical objects on a computer controlled system

Abstract

A user interface method and system for positioning graphical objects in the display area of a free form system. A selected object may operate in a first state where it can be moved to different positions within the display area. The selected object may further operate in a second state where movement of the selected object causes other graphical objects within its path of movement to also move. The state of the selected object is indicated by a visually distinct presentation of the graphical object, for example when in the first state the graphical object is shown to have shadow to provide the visual clue that it is "above" the other graphical objects in the display area. A user may dynamically switch between states based on signals provided to the system.

Inventors: **Good; Lance E.** (Cupertino, CA), **Stefik; Mark J.** (Portola Valley, CA), **Baudisch; Patrick** (Seattle, WA), **Mackinlay; Jock D.** (Palo Alto, CA), **Zellweger; Polle T.** (Palo Alto, CA)
Assignee: **Xerox Corporation** (Stamford, CT)
Appl. No.: **10/371,263**
Filed: **February 21, 2003**

Current U.S. Class: **345/619** ; 345/629
Current International Class: G06G 5/00 (20060101)
Field of Search: 345/619,427,634,708,441,564,214,55,629
707/5,6

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>>>  or undefined in one or more files.
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>>>    started at PD=19080000 stopped at PD=19920106
>>>File 63 processing for PD=  : PD=031103
>>>    started at PD=DATED stopped at PD=19680517
>>>File 81 processing for PD=  : PD=031103
>>>    started at PD=19390728 stopped at PD=19920325
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        1582213  PD<=031103
         531682  MOV?
          16556  QUERIES
             86  MOV?(2N)QUERIES
         776988  BOUND?
          84915  BOX?
            732  BOUND?(2N)BOX?
      S1      0  SPEED? AND PD<=031103 AND (MOV? (2N) QUERI
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>>>  or undefined in one or more files.
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>>>    started at PD=19080000 stopped at PD=19920106
>>>File 63 processing for PD=  : PD=031103
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>>>    started at PD=DATED stopped at PD=19680517
>>>File 81 processing for PD=   : PD=031103
>>>    started at PD=19390728 stopped at PD=19920325
          709411  SPEED?
         1582213  PD<=031103
          531682  MOV?
           16556  QUERIES
             111  MOV?(4N)QUERIES
          776988  BOUND?
           84915  BOX?
             914  BOUND?(4N)BOX?
      S2       0  SPEED? AND PD<=031103 AND (MOV? (4N) QUERI
                  (4N) BOX?)
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>>>One or more prefixes are unsupported
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>>>    started at PD=19080000 stopped at PD=19920106
>>>File 63 processing for PD=   : PD=031103
>>>    started at PD=DATED stopped at PD=19680517
>>>File 81 processing for PD=   : PD=031103
>>>    started at PD=19390728 stopped at PD=19920325
          709411  SPEED?
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          531682  MOV?
          998871  OBJECT?
           84915  BOX?
           16556  QUERIES
               5  MOV?(4N)OBJECT?(S)BOX?(S)QUERIES
      S3       0  SPEED? AND PD<=031103 AND ((MOV? (4N) OBJE
                  (S) QUERIES)
?

S SPEED? AND  ((MOV? (4N) OBJECT?) (S) BOX? (S) QUERIES)
          709411  SPEED?
          531682  MOV?
          998871  OBJECT?
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            84915  BOX?
            16556  QUERIES
                5  MOV?(4N)OBJECT?(S)BOX?(S)QUERIES
      S4        0  SPEED? AND  ((MOV? (4N) OBJECT?) (S) BOX?
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S (DIRECTION? OR SPEED?) AND  ((MOV? (4N) OBJECT?) (S) BOX?
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           709411  SPEED?
           531682  MOV?
           998871  OBJECT?
            84915  BOX?
            16556  QUERIES
                5  MOV?(4N)OBJECT?(S)BOX?(S)QUERIES
      S5        0  (DIRECTION? OR SPEED?) AND  ((MOV? (4N) OB
                   (S) QUERIES)
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